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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No.	VGEN.P-056-US
First Inventor or Application Identifier	IZMAILOV, ET AL
Title	Method for Alignment of DNA Sequences ...
Express Mail Label No.	EL362858548US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- ☒ * Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
- ☒ Specification [Total Pages **22**]
(preferred arrangement set forth below)
 - Descriptive title of the Invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to Microfiche Appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
- ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets **6**]
- Oath or Declaration [Total Pages **1**]
 - ☐ Newly executed (original or copy)
 - ☐ Copy from a prior application (37 C.F.R. § 1.63(d))
(for continuation/divisional with Box 16 completed)
 - ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

* NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

- ☐ Microfiche Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - ☐ Computer Readable Copy
 - ☐ Paper Copy (identical to computer copy)
 - ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

- ☐ Assignment Papers (cover sheet & document(s))
- ☐ 37 C.F.R. § 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
- * Small Entity Statement(s) ☐ Statement filed in prior application, Status still proper and desired (PTO/SB/09-12)
- ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
- ☐ Other: _____

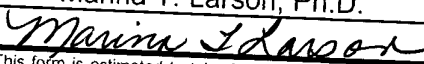
16. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)
Prior application information: Examiner: _____ of prior application No: _____
Group / Art Unit: _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label  (Insert Customer No. or Attach bar code label here) or ☐ Correspondence address below

Name				
Address	PATENT TRADEMARK OFFICE			
City	State	Zip Code		
Country	Telephone	970-668-2050	Fax	970-668-2082

Name (Print/Type)	Marina T. Larson, Ph.D.	Registration No. (Attorney/Agent)	32,038
Signature		Date	3/24/00

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

EL362858548US

<h2 style="margin: 0;">FEE TRANSMITTAL</h2> <p style="font-size: small; margin: 0;">Patent fees are subject to annual revision on October 1. These are the fees effective October 1, 1997. Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.</p>		<p>Complete if Known</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>Application Number</td><td></td></tr> <tr><td>Filing Date</td><td style="text-align: center;">March 24, 2000</td></tr> <tr><td>First Named Inventor</td><td style="text-align: center;">Izmailov, et al.</td></tr> <tr><td>Examiner Name</td><td></td></tr> <tr><td>Group / Art Unit</td><td></td></tr> <tr><td>Attorney Docket No.</td><td style="text-align: center;">VGEN.P-056-US</td></tr> </table>		Application Number		Filing Date	March 24, 2000	First Named Inventor	Izmailov, et al.	Examiner Name		Group / Art Unit		Attorney Docket No.	VGEN.P-056-US
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TOTAL AMOUNT OF PAYMENT	(\$)	363.00													

<p>METHOD OF PAYMENT (check one)</p> <p>1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:</p> <p>Deposit Account Number </p> <p>Deposit Account Name </p> <p><input type="checkbox"/> Charge Any Additional Fee Required Under 37 C.F.R. §§ 1.16 and 1.17 <input type="checkbox"/> Charge the Issue Fee Set in 37 C.F.R. § 1.16 at the Mailing of the Notice of Allowance</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p style="margin-left: 20px;"><input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p> <p style="text-align: center;">FEE CALCULATION</p> <p>1. BASIC FILING FEE</p> <table style="width: 100%; font-size: x-small;"> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> <tr><td>101 790</td><td>201 395</td><td>Utility filing fee</td><td style="text-align: center;">345.00</td></tr> <tr><td>106 330</td><td>206 165</td><td>Design filing fee</td><td></td></tr> <tr><td>107 540</td><td>207 270</td><td>Plant filing fee</td><td></td></tr> <tr><td>108 790</td><td>208 395</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114 150</td><td>214 75</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="3" style="text-align: right;">SUBTOTAL (1)</td><td style="text-align: center;">(\$) 345.</td></tr> </table> <p>2. EXTRA CLAIM FEES</p> <table style="width: 100%; font-size: x-small;"> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> <tr> <td>22</td> <td>20** = 2</td> <td>9.00</td> <td style="text-align: center;">18.00</td> </tr> <tr> <td>3</td> <td>3** = 0</td> <td></td> <td></td> </tr> </table> <p><small>**or number previously paid, if greater; For Reissues, see below</small></p> <table style="width: 100%; font-size: x-small;"> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> <tr><td>103 22</td><td>203 11</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102 82</td><td>202 41</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104 270</td><td>204 135</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>109 82</td><td>209 41</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>110 22</td><td>210 11</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr><td colspan="3" style="text-align: right;">SUBTOTAL (2)</td><td style="text-align: center;">(\$) 18.00</td></tr> </table>	Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	101 790	201 395	Utility filing fee	345.00	106 330	206 165	Design filing fee		107 540	207 270	Plant filing fee		108 790	208 395	Reissue filing fee		114 150	214 75	Provisional filing fee		SUBTOTAL (1)			(\$) 345.	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SUBMITTED BY			Complete (if applicable)	
Typed or Printed Name	Marina T. Larson, Ph.D.		Reg. Number	32,038
Signature	<i>Marina T. Larson</i>	Date	03/24/00	Deposit Account User ID